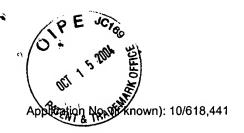
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1								
AME DMENT TRANSMITTAL LETTER  Docket No. 01780/100G910-US3								
Application	Art Unit							
10/618,4	el 3762							
10/618,441 July 11, 2003 G. C. Manuel 3762  Applicant(s): David P. Macadam et al.								
Invention: METHO		CESSING EL	ECTROCARI	DIAC SIGNALS HA	VING SUPERIMPOSED			
Transmitted here	TO THE COMMISSIONER FOR PATENTS  Transmitted herewith is an amendment in the above-identified application.							
The fee has been	calculated an	d is transmitted	d as shown b	elow.				
		CLAIM	S AS AMENI	DED				
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present	Rate				
Total Claims	27	- 29 =		Х	0.00			
Independent Claims	6	- 5 =	1	x 88.00	88.00			
Multiple Depend Other fee (please	Multiple Dependent Claims (check if applicable)							
TOTAL ADDITI			····		20.00			
TOTAL ADDITI	ONAL FEE FO	)K IHIS AWE	NUMENT:		88.00			
x Large Entity				Small Entity				
No additiona	I fee is require	d for this amer	ndment.					
Please charge Deposit Account No in the amount of \$ A duplicate copy of this sheet is enclosed.								
× A check in the amount of \$ 88.00 to cover the filing fee is enclosed.								
Payment by credit card. Form PTO-2038 is attached.								
The Director is hereby authorized to charge and credit Deposit Account No								
x Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.								
Paul M! Zlagar Attorney Reg. N	/M // lo.: 52,392			Dated:	October 15, 2004			
DARBY & DARBY P.C. P.O. Box 5257								
New York, New (212) 527-7700	York 10150-5	5257						
Express Mail Label No.		Dated:						

The Paperwood Security of Securi	PTO/SB/17 (10-04)  Approved for use through 7/31/2006. OMB 0651-0620  U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE								
Application Number   10/618,441   Filing Date   July 11, 2003   First Named Inventor   David P. Macadam   Examiner Name   G. C. Manuel   Applicant claims small entity status. See 37 CFR 1.27   TOTAL AMOUNT OF PAYMENT   (3) 88.00   Attomory Docket No.   01780/100G910-US3    METHOD OF PAYMENT (check all that apply)   FEE CALCULATION (continued)	UNSer the Paperwork duction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number								
Filing Date   July 11, 2003   First Named Inventor   David P. Macadam   Examiner Name   G. C. Manuel	FEE TO ANSMITTAL	1							
TOTAL AMOUNT OF PAYMENT (\$) 88.00 Attorney Docket No. 01780/100G910-US3    METHOD OF PAYMENT (check all that apply)   First Named Inventor Name   G. C. Manuel					Numb	er			
Applicant claims small entity status. See 37 CFR 1.27   TOTAL AMOUNT OF PAYMENT (\$ 8.8.00   Attorney Docket No. 01780/100G910-US3	for FY 2005		Filing	Date					
Applicant claims small entity status. See 37 CFR 1.27  TOTAL AMOUNT OF PAYMENT  (\$) 88.00  Attorney Docket No. 01780/100G910-US3  METHOD OF PAYMENT (check all that apply)  X Check Code Money Other No. 01780/100G910-US3  METHOD OF PAYMENT (check all that apply)  X Check Code Money Other No. 01780/100G910-US3  ACCOUNT Deposit Account  Deposit Account  Deposit Account  Darby & Darby & Darby P.C. 110 No. 11						ntor			
TOTAL AMOUNT OF PAYMENT (s) 88.00 Attorney Docket No. 01780/100G910-US3    METHOD OF PAYMENT (check et that apply)   FEE CALCULATION (continued)			Exam	iner Na	ame		G. C. Ma	nuel	
METHOD OF PAYMENT (check all that apphy)   Second Carle   Carle   Money   Other   Ot	Applicant claims small entity status. See 37 CFR 1.27		Art Ur	it					
X   Creek   Code   Card   Microy   Order   Other   O	TOTAL AMOUNT OF PAYMENT (\$) 88.00		Attom	ey Do	cket No	o.	01780/10	0G910-US3	
Deposit Account	METHOD OF PAYMENT (check all that apply)				FEE	CALCU	LATION (co	ontinued)	
Deposit Account:    Deposit Account		3. <i>A</i>	DDITIO	ONAL	FEES	;			
Large Entity   Small Entity   Smal									
Darby & Darby P.C.   1001   1002   2003   2003   2004   2004   2004   2005		Large	Entity	Small	Entity	_			
Darby & Darby & Darby & Darby P.C.   1051 130   1052 50   2052 25   Surcharge – late filing fee or oath Account Name   1052 50   1052 50   1052 50   1053 130   105	Account 04-0100						Fee Desc	ription	Fee Paid
Dairy & Dair	Denosit					Surcharne	. – late filing fe	e or oath	
Charge fee(s) indicated below   X   Credit any overpayments   1053   130   1055   1300   1053   130   1053   130   1053   130   1053   130   1055   1300   1053   130   1055   1300   1055   1300   1055   1300   1300   1055   105						-	=		
Charge any additional feets) or any underpayment of feets	The Director is authorized to: (check all that apply)	1052	50	2052	25			•	
Charge fee(s) indicated below, except for the filling fee	Charge fee(s) indicated below X Credit any overpayments	1053	130	1053	130	Non-Englis	sh specificatio	n	
	Charge any additional fee(s) or any underpayment of fee(s)	1812	2,520	1812	2,520	For filing a	request for ex p	parte reexamination	
1805 1,840*   1805 1,840*   1805 1,840*   1805 1,840*   1845*   1846		1804	920*	1804	920*			of SIR prior to	
Tell		1805	1,840*	1805	1,840*	Requestin	g publication o	of SIR after	
1. BASIC FILING FEE   Large Entity   Small Entity   Fee   Tee   Standard   1254   1,530   2254   765   Extension for reply within from month   1254   1,530   2254   765   Extension for reply within from month   1254   1,530   2254   765   Extension for reply within from month   1254   1,530   2254   765   Extension for reply within from month   1254   1,530   2254   765   Extension for reply within from month   1254   1,530   2254   765   Extension for reply within from month   1254   1,530   2254   765   Extension for reply within from month   1254   1,530   2254   765   Extension for reply within from month   1254   1,530   2254   765   Extension for reply within from month   1254   1,530   2254   765   Extension for reply within from month   1254   1,530   2254   765   Extension for reply within from month   1254   1,530   2254   765   Extension for reply within from month   1254   1,530	FEE CALCULATION	1251	110	2251	55			n first month	$\vdash$
Large Entity									
		1253	980	2253	490				
1001   790   2001   395   Utility filing fee		1254	1,530	2254	765	Extension	for reply within	n fourth month	
1003   550   2003   275   Plant filing fee   1402   340   2402   170   Filing a brief in support of an appeal   1403   300   2403   150   Request for oral hearing   1451   1,510   1451   1,510   Petition to Institute a public use proceeding   1452   150   1451   1,510   1451   1,510   Petition to Institute a public use proceeding   1452   150   1451   1,510   Petition to Institute a public use proceeding   1452   150   1451   1,510   Petition to Institute a public use proceeding   1452   150   1451   1,510   Petition to Institute a public use proceeding   1452   150   1452   150   Petition to revive - unavoidable   1452   150   1452   150   1455   1,370   2501   685   Petition to revive - unavoidable   1452   150   1453   1,370   2501   685   Petition to revive - unintentional   1452   150   1453   1,370   2501   685   Petition to revive - unintentional   1452   150   1453   1,370   2501   685   Petition to revive - unintentional   1452   150   1,370   2501   685   Petition to revive - unintentional   1452   150   1,370   2501   685   Petition to revive - unintentional   1452   150   1,370   2501   685   Petition to revive - unintentional   1452   150   1,370   2501   685   Petition to revive - unintentional   1452   150   1,370   2501   685   Petition to revive - unintentional   1452   150   1,370   2501   685   Petition to revive - unintentional   1452   150   1,370   2501   685   Petition to revive - unintentional   1452   150   1,370   2501   685   Petition to revive - unintentional   1452   150   1,370   2501   685   Petition to revive - unintentional   1452   150   1,370   2501   685   Petition to revive - unintentional   1452   150   1,370   2501   685   Petition to revive - unintentional   1452   150   1,370   2501   685   Petition to revive - unintentional   1452   150   1,370   2501   685   Petition to revive - unintentional   1452   150   1,370   2501   685   Petition to revive - unintentional   1452   150   1,370   2501   685   Petition to revive - unintentional   1452   150   1,450   1,450   1,45	''   ''   <del> </del>	1255	2,080	2255	1,040	Extension	for reply within	n fifth month	
1004 790   2004 395	1002 350 2002 175 Design filing fee	1401	340	2401	170	Notice of A	Appeal		
1451   1,510   1451   1,510   1451   1,510   1451   1,510   1,510   1451   1,51	1003 550 2003 275 Plant filing fee	1402	340	2402	170	Filing a bri	ef in support o	of an appeal	
SUBTOTAL (1) (\$) 0.00	1004 790 2004 395 Reissue filing fee	1403	300	2403	150	Request fo	or oral hearing		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE  Extra Fee from Fee Paid below Fee Paid Independent Claims 27 -29** =	1005 160 2005 80 Provisional filing fee						•		
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	SUBTOTAL (1) (\$) 0.00								
Total Claims   27   -29** =									
Total Claims   27   -29** =						•	·	ue)	
Independent 6 -5** = 1 x 88.00 = 88.00   1460 130   1460 130   Petitions to the Commissioner      Large Entity   Small Entity   Fee   Fee   Fee   Fee   Fee   Code (\$)   Fee   Description     1202   18   2202   9   Claims in excess of 20   1809   790   2809   395   Filing a submission after final rejection     1201   88   2201   44   Independent claims in excess of 3     1203   300   2203   150   Multiple dependent claims in excess of 3     1204   88   2204   44   ** Reissue independent claims over original patent     1205   18   2205   9 ** Reissue Claims in excess of 20 and over original patent     1205   18   2205   9 ** Reissue Claims in excess of 20 and over original patent     1206   180   1806   180   Submission of Information Disclosure Stmt     8021   40	Claims below Fee Paid					-			
Claims  Multiple Dependent  Large Entity   Small Entity   Fee   Fee   Fee   Fee   Fee   Code   (\$)   1202   18   2202   9   Claims in excess of 20   1201   88   2201   44   Independent claims in excess of 30   1203   300   2203   150   Multiple dependent claims in excess of 30   1204   88   2204   44   ** Reissue independent claims over original patent   1205   18   2205   9 ** Reissue claims in excess of 20   1206   18   2205   9 ** Reissue claims in excess of 20   1207   18   2205   9 ** Reissue claims in excess of 20   1208   390   395   For each additional invention to be examined (37 CFR 1.129(b))   1209   2801   395   Request for Continued Examination (RCE)   1200   18   2205   9 ** Reissue claims in excess of 20   1201   18   2205   9 ** Reissue claims in excess of 20   1202   18   2205   9 ** Reissue claims in excess of 20   1203   18   2205   9 ** Reissue claims in excess of 20   1204   18   2205   9 ** Reissue claims in excess of 20   1205   18   2205   9 ** Reissue claims in excess of 20   1206   18   2205   9 ** Reissue claims in excess of 20   1207   18   2205   9 ** Reissue claims in excess of 20   1208   18   2205   9 ** Reissue claims in excess of 20   1209   1802   900   1802   900   1200   1802   900   Request for expedited examination of a design application   1201   18   2205   9 ** Reduced by Basic Filing Fee Paid   SUBTOTAL (3) (\$\$)   1202   18   2205   9 ** Reissue claims in excess of 20   1203   18   2205   9 ** Reissue claims in excess of 20   1204   18   2205   9 ** Reissue claims in excess of 20   1205   18   2205   9 ** Reissue claims in excess of 20   1206   18   2205   9 ** Reissue claims in excess of 20   1207   18   2205   9 ** Reissue claims in excess of 20   1208   18   2205   9 ** Request for expedited examination of a design application   1205   18   2205   9 ** Rejuicable)   1206   18   2205   9 ** Rejuicable)   1207   18   2205   9 ** Rejuicable)   1208   18   2205   9 ** Rejuicable)   1209   18   2205   9 ** Rejuicable)   1200   18   2205   9 ** Rejuicable)   1200   18   2			i i					-!	
Large Entity   Small	Claims 6 -5" = 1 x 88.00 = 88.00								
Fee	Multiple Dependent						-		
Code (\$) Code (\$) Fee Description  1202 18 2202 9 Claims in excess of 20 1201 88 2201 44 Independent claims in excess of 3 1203 300 2203 150 Multiple dependent claims over original patent  1204 88 2204 44 "Reissue independent claims over original patent 1205 18 2205 9 "Reissue claims in excess of 20 and over original patent  1206 18 2205 9 "Reissue claims in excess of 20 and over original patent  SUBTOTAL (2) (\$\frac{1}{3}\$) 88.00  **or number previously paid, if greater; For Reissues, see above  SUBMITTED BY  (Complete (if applicable))  Registration No. (Attomey/Agent)  SUBTOTAL (2) 527-7700		1806	180	1806	180				
1201 88 2201 44 Independent claims in excess of 3 1203 300 2203 150 Multiple dependent claims, if not paid 1204 88 2204 44 ** Reissue independent claims over original patent 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent  SUBTOTAL (2) (\$\$) 88.00  **or number previously paid, if greater; For Reissues, see above  SUBMITTED BY  Registration No. (Attomey/Agent)  Registration No. (Attomey/Agent)  Registration No. (Attomey/Agent)  (37 ČFR 1.129(a))  For each additional invention to be examined (37 CFR 1.129(b))  Request for expedited examination of a design application  Other fee (specify)  Reduced by Basic Filing Fee Paid  SUBTOTAL (3) (\$\$) 0.00		8021	40	8021	40				
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1204 88 1204 44 "Reissue independent claims over original patent 1205 18 1205 9 "Reissue claims in excess of 20 and over original patent  SUBTOTAL (2) (\$\$) 88.00  "The proviously paid, if greater, For Reissues, see above  SUBMITTED BY  Name (Print/Type) Paul M. Zagar  Registration No. (Attorney/Agent)		1810	790	2810	305	For each a	additional inve		
over original patent 2205 9 ** Reissue claims in excess of 20 and over original patent  SUBTOTAL (2) (\$) 88.00  **or number previously paid, if greater; For Reissues, see above  SUBMITTED BY  Registration No. (Attorney/Agent)  Registration No. (Attorney/Agent)  Request for expedited examination of a design application  Other fee (specify)  *Reduced by Basic Filing Fee Paid  SUBTOTAL (3) (\$) 0.00  **Or number previously paid, if greater; For Reissues, see above  **Registration No. (Attorney/Agent)  **Registration No. (Attorney/Agent)  **Telephone (212) 527-7700							•		
1205 18 2205 9 "Reissue claims in excess of 20 and over original patent  SUBTOTAL (2) (\$\sigma\$ 88.00  "From number previously paid, if greater, For Reissues, see above  SUBMITTED BY  (Complete (if applicable))  Registration No. (Attorney/Agent)  Registration No. (Attorney/Agent)  Registration No. (Attorney/Agent)  Registration No. (Attorney/Agent)								, ,	-
SUBTOTAL (2) (5) 88.00  *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (5) 0.00  *Tor number previously paid, if greater; For Reissues, see above  SUBMITTED BY  Registration No. (Altomey/Agent) 52,392  Telephone (212) 527-7700			- 1		900				<b></b>
**or number previously paid, if greater; For Reissues, see above  SUBMITTED BY  (Complete (if applicable))  Registration No. (Altomey/Agent)  Submitted BY  (Complete (if applicable))  Telephone (212) 527-7700			, ,	••					ليبا
Name (Print/Type) Paul M. Zagar Registration No. (Attorney/Agent) 52,392 Telephone (212) 527-7700	* /	*Redu	iced by E	Basic Fi	ling Fee	Paid	SUBTO	TAL (3) (\$)	0.00
(Attomey/Agent) 32,352 Telephone (212) 321-1100	SUBMITTED BY						(Complete	(if applicable))	
Signature Date October 15, 2004	Name (Print/Type) Paul M. Zagar				,392		Teiephone	(212) 527-7700	
	Signature / al/M //alw						Date	October 15, 20	04

Name (Print/Type) Paul M. Zagar Registration No. (Attorney/Agent) 52,392 Telephone (212) 527-7700  Signature Date October 15, 2004	SUBMITTED BY		<u> </u>				(Complete	(if applicable))
Signature Date October 15, 2004	Name (Print/Type)	Paul M.	Zagar	Λ	1	52,392	Telephone	(212) 527-7700
	Signature		al	Mi	Mary		Date	October 15, 2004

Express Mail Label No. Dated	;	



10-18-07

Attorney Docket No.: 01780/100G910-US3

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October 12, 2004

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Registration Number, if applicable	Telephone Number				

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each submitted paper.

Supplemental Response (1 page);

Fee Transmittal (1 page)

Amendment Transmittal (1 page) Check in the amount of \$88.00

Return Receipt Postcard

Application No.: 10/618,441

Express Mail Label No. Dated: \_\_\_\_\_

Docket No.: 01780/100G910-US3

Docket No.: 01780/100G910-US3

(PATENT)

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of: David P. MacADAM et al.

Application No.: 10/618,441

Confirmation No.: 4207

Filed: July 11, 2003

Art Unit: 3762

For: METHODS FOR PROCESSING

Examiner: George C. MANUEL

ELECTROCARDIAC SIGNALS HAVING

SUPERIMPOSED COMPLEXES

## SUPPLEMENTAL RESPONSE

Mail Stop Non-Fee Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

2004.

This is a Supplemental Response to the Response to Office Action mailed October 12,

Enclosed herewith is a Fee Transmittal form and payment for the conversion of claim 66 from a dependent to an independent claim.

Dated: October 15, 2004

Paul M. Zagar, M.D.

Registration No.: 52,392

DARBY & DARBY P.C.

P.O. Box 5257

New York, New York 10150-5257

(212) 527-7700

(212) 753-6237 (Fax)

Attorneys/Agents For Applicant

10/20/2004 SDIRETA1 00000075 10618441

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